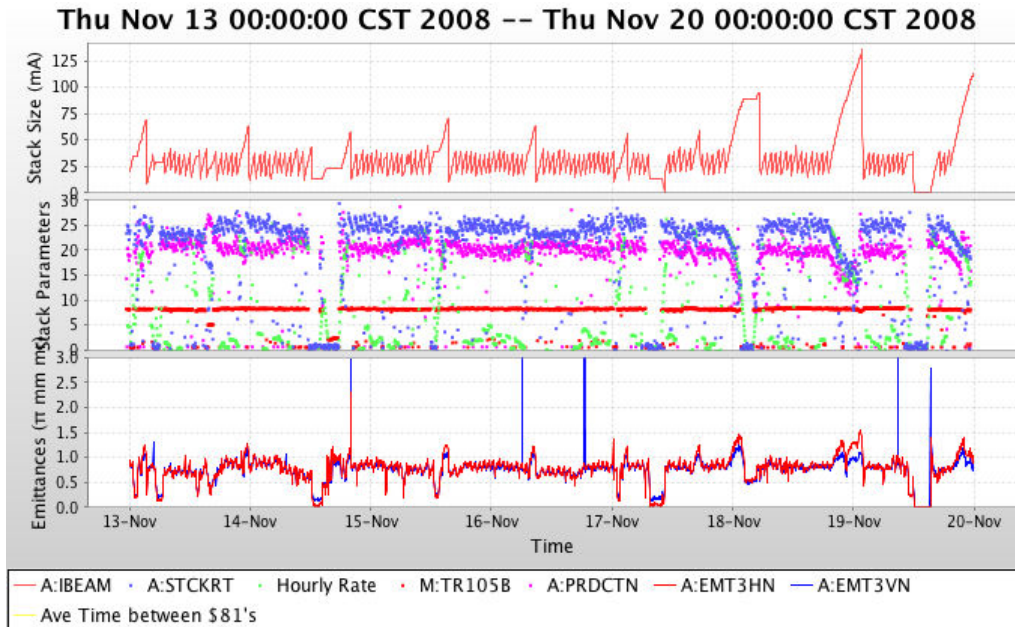


2008-11-20 Pbar Department Meeting

Thursday, November 20, 2008
9:47 AM

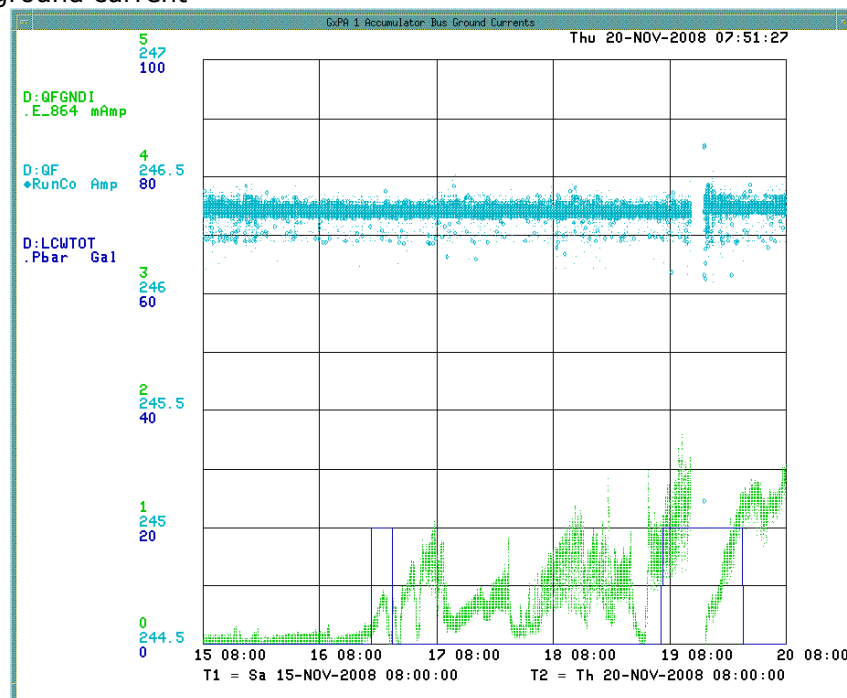


- Performance
- November 18, 1968 was Obie's first day! Happy 40th anniversary...
- Topics
 - Ramping stopped on all bands 7-7:30am before power outage. Different stub rooms...only thing in common was pbcool
 - Was tripping on reflected power...



Pasted from <<http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar08&action=view&page=-8335&button=yes>>

- Replaced cable and all OK
- D:QF ground current



Pasted from <<http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar08&action=view&page=-8354&button=yes&invert=yes>>

- Need 4 hours to search tunnel.
- Too low to see with hipot.
- APO Water Skids
 - Went into look at lens skid...loosing more water than it should. Don't know where the leak is.
 - PMAG skid Isot 5.5" of water. Had replaced all hoses in October shutdown.
- Target station
 - Lens 10-6 is ready.
 - New software loaded on PBKIKI
 - B system is on the scope.
 - Software change that Kevin made, made the readback worse.
- Core Transverse Cooling Systems
 - Added gain during access to bands 1; no help(?)
 - When not stacking, periodic wave in emittances. Momentum was cooling exponentially during that time.
 - Could make the power in the system go down, but not up...
 - Steve says
 - Bands 1 have always been much less in terms of gain.
 - Since the power outage, bands 1 dropped down even more.
 - Should be the same as we were before the equalizers, but we are not!
- Want to make an emittance monitor calibration
 - We see larger emittances since the shutdown, but we don't see worse transfer efficiency.
 - Before the power outage there was a couple pi difference

- between Accumulator and MI or RR. Now they are about the same
- Stacktail
 - Two TWTs replaced
 - Plus TWT 19 had power increased.
- Cooling Systems Maintenance/Tune-up
 - 4-6 months we should be checking out systems
 - Steve and Ralph started with Debuncher...have all but band 1 of momentum done.
- Spare TWT status
 - ???
- A:IKIK Module 1
 - Couple of single sneezes.
 - Still at 48KV
- ARF1 modifications
 - Phase lock appears to be working well.
 - Replaced sample and hold module.
 - Tweaked up the phase lock loop, so locks in a few 100 microseconds...
 - P153 - when calc and load curve, setting * 84, then set DDS to match...P153 only looks at ACNET, so if someone changes parameter, then there will be problems. Could have the DDS running at one frequency, and no way to know that via P153.
 - a:r1llmr - if vco set correctly, and DDS is correct. They this should be close to 0.
 - WE have an 18Hz offset at the fundamental.
- Digital Status masks for alarms
 - Started with several 1000 digital bits not alarming.
 - Still stuff to go. Maybe 100 to go...
- AP50 Transformer oil leak
 - Dipole supplies...
 - Next long shutdown, FESS will fix.
- Thanksgiving week
- May 2009 PAC (Vancouver)--Abstract Deadline is early Dec08
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